

$^{18}\text{O}(\gamma, n)$ 1976Ba41

1976Ba41: $^{18}\text{O}(\gamma, n)$, E=23.5, 28 MeV bremsstrahlung; measured prompt γ spectrum. ^{18}O GDR deduced decay to levels in ^{17}N , $^{17,16}\text{O}$, ^{14}C .

See also (1963Fu06,1980Py01).

 ^{17}O Levels

<u>E(level)[†]</u>	<u>Jπ[†]</u>	<u>Comments</u>
0	5/2 ⁺	
870	1/2 ⁺	Bremsstrahlung weighted integrated cross section $\sigma=6.01$ MeV·b at Bremsstrahlung endpoint energy $E_{\text{brem.}}=23.5$ MeV; $\sigma=6.71$ MeV·b at $E_{\text{brem.}}=28$ MeV.
3055	1/2 ⁻	$\sigma=5.18$ MeV·b at $E_{\text{brem.}}=23.5$ MeV; $\sigma=8.69$ MeV·b at $E_{\text{brem.}}=28$ MeV.
3841	5/2 ⁻	$\sigma=0.77$ MeV·b at $E_{\text{brem.}}=23.5$ MeV; $\sigma=1.17$ MeV·b at $E_{\text{brem.}}=28$ MeV. These values contain admixtures from the decay of the $^{13}\text{C}^*(3.854$ MeV) state.

[†] From (1976Ba41).